

PROPOSED

[Issuance Date]

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

06-XXE CAB
File No. 0249-02

Mr. Gerard J. Watts
Vice President of Operations
Maui Pineapple Company, Ltd.
P. O. Box 187
Kahului, Hawaii 96732

Dear Mr. Watts:

Subject: Covered Source Permit (CSP) No. 0249-02-C
Application for Significant Modification No. 0249-08
Maui Pineapple Company, Ltd.
500 HP Boiler
Located at: 120 Kane Street, Kahului, Maui
Date of Expiration: August 5, 2009

The subject Covered Source Permit is issued in accordance with Hawaii Administrative Rules, Title 11, Chapter 60.1. The issuance of this permit is based on your application dated December 14, 2005, and its revisions dated January 26, 2006. This permit shall supersede in its entirety CSP No. 0249-02-C dated August 6, 2004, and its amendment November 30, 2004. This significant modification removes the existing equipment (four [4] diesel engine generators and four [4] boilers) and adds a new boiler. Prevention of Significant Deterioration (PSD) will no longer apply to this facility, however, New Source Performance Standard (NSPS), Subpart Dc - Standards of Performance for Industrial-Commercial-Institutional Steam Generating Units will apply to the new boiler. Enclosed are the two receipts for the \$500.00 application fee.

The Covered Source Permit is issued subject to the conditions/requirements set forth in the following Attachments:

Attachment I: Standard Conditions
Attachment II: Special Conditions
Attachment II - INSIG: Special Conditions - Insignificant Activities
Attachment III: Annual Fee Requirements
Attachment IV: Annual Emissions Reporting Requirements

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The forms for submission are as follows:

Monitoring Report Forms: Fuel Oil Consumption; Spec Used Oil; Fuel Certification;
and Visible Emissions
Annual Emissions Report Form: Boiler
Compliance Certification Form

This permit: (a) shall not in any manner affect the title of the premises upon which the equipment is to be located; (b) does not release the permittee from any liability for any loss due to personal injury or property damage caused by, resulting from or arising out of the design, installation, maintenance, or operation of the equipment; and (c) in no manner implies or suggests that the Hawaii Department of Health, or its officers, agents, or employees, assumes any liability, directly or indirectly, for any loss due to personal injury or property damage caused by, resulting from or arising out of the design, installation, maintenance, or operation of the equipment.

Sincerely,

THOMAS E. ARIZUMI, P.E., CHIEF
Environmental Management Division

CBS:lk

Enclosures

c: Blake Shiigi, EHS - Maui
CAB Monitoring Section

PROPOSED

ATTACHMENT I: STANDARD CONDITIONS COVERED SOURCE PERMIT NO. 0249-02-C

[Issuance Date]

Expiration Date: August 5, 2009

This permit is granted in accordance with the Hawaii Administrative Rules (HAR), Title 11, Chapter 60.1, Air Pollution Control, and is subject to the following standard conditions:

1. Unless specifically identified, the terms and conditions contained in this permit are consistent with the applicable requirement, including form, on which each term or condition is based.

(Auth.: HAR §11-60.1-90)

2. This permit, or a copy thereof, shall be maintained at or near the source and shall be made available for inspection upon request. The permit shall not be wilfully defaced, altered, forged, counterfeited, or falsified.

(Auth.: HAR §11-60.1-6; SIP §11-60-11)²

3. This permit is not transferable whether by operation of law or otherwise, from person to person, from place to place, or from one piece of equipment to another without the approval of the Department of Health, except as provided in HAR, Section 11-60.1-91.

(Auth.: HAR §11-60.1-7; SIP §11-60-9)²

4. A request for transfer from person to person shall be made on forms furnished by the Department of Health.

(Auth.: HAR §11-60.1-7)

5. In the event of any changes in control or ownership of the facilities to be constructed or modified, this permit shall be binding on all subsequent owners and operators. The permittee shall notify the succeeding owner and operator of the existence of this permit and its conditions by letter, copies of which will be forwarded to the Department of Health and the U.S. Environmental Protection Agency (EPA), Region 9.

(Auth.: HAR §11-60.1-5, §11-60.1-7, §11-60.1-94)

6. The facility covered by this permit shall be constructed and operated in accordance with the application, and any information submitted as part of the application, for the Covered Source Permit. There shall be no deviation unless additional or revised plans are submitted to and approved by the Department of Health, and the permit is amended to allow such deviation.

(Auth.: HAR §11-60.1-2, §11-60.1-4, §11-60.1-82, §11-60.1-84, §11-60.1-90)

7. This permit (a) does not release the permittee from compliance with other applicable statutes of the State of Hawaii, or with applicable local laws, regulations, or ordinances, and (b) shall not constitute, nor be construed to be an approval of the design of the covered source.

(Auth.: HAR §11-60.1-5, §11-60.1-82)

8. The permittee shall comply with all the terms and conditions of this permit. Any permit noncompliance constitutes a violation of HAR, Chapter 11-60.1 and the Clean Air Act and is grounds for enforcement action; for permit termination, suspension, reopening, or amendment; or for denial of a permit renewal application.

(Auth.: HAR §11-60.1-3, §11-60.1-10, §11-60.1-19, §11-60.1-90)

9. If any term or condition of this permit becomes invalid as a result of a challenge to a portion of this permit, the other terms and conditions of this permit shall not be affected and shall remain valid.

(Auth.: HAR §11-60.1-90)

10. The permittee shall not use as a defense in an enforcement action that it would have been necessary to halt or reduce the permitted activity to maintain compliance with the terms and conditions of this permit.

(Auth.: HAR §11-60.1-90)

11. This permit may be terminated, suspended, reopened, or amended for cause pursuant to HAR, Sections 11-60.1-10 and 11-60.1-98, and Hawaii Revised Statutes (HRS), Chapter 342B-27, after affording the permittee an opportunity for a hearing in accordance with HRS, Chapter 91.

(Auth.: HAR §11-60.1-3, §11-60.1-10, §11-60.1-90, §11-60.1-98)

12. The filing of a request by the permittee for the termination, suspension, reopening, or amendment of this permit, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition.

(Auth.: HAR §11-60.1-90)

13. This permit does not convey any property rights of any sort, or any exclusive privilege.

(Auth.: HAR §11-60.1-90)

14. The permittee shall notify the Department of Health and U.S. EPA Region 9 in writing of the following dates:
- The **anticipated date of initial start-up** for each emission unit of a new source or significant modification not more than sixty (60) days or less than thirty (30) days prior to such date;
 - The **actual date of construction commencement** within fifteen (15) days after such date; and
 - The **actual date of start-up** within fifteen (15) days after such date.
- (Auth.: HAR §11-60.1-90)
15. The permittee shall furnish, in a timely manner, any information or records requested in writing by the Department of Health to determine whether cause exists for terminating, suspending, reopening, or amending this permit, or to determine compliance with this permit. Upon request, the permittee shall also furnish to the Department of Health copies of records required to be kept by the permittee. For information claimed to be confidential, the Director of Health may require the permittee to furnish such records not only to the Department of Health but also directly to the U.S. EPA Region 9 along with a claim of confidentiality.
- (Auth.: HAR §11-60.1-14, §11-60.1-90)
16. The permittee shall notify the Department of Health in writing, of the **intent to shut down air pollution control equipment for necessary scheduled maintenance** at least twenty-four (24) hours prior to the planned shutdown. The submittal of this notice shall not be a defense to an enforcement action. The notice shall include the following:
- Identification of the specific equipment to be taken out of service, as well as its location and permit number;
 - The expected length of time that the air pollution control equipment will be out of service;
 - The nature and quantity of emissions of air pollutants likely to be emitted during the shutdown period;
 - Measures such as the use of off-shift labor and equipment that will be taken to minimize the length of the shutdown period; and
 - The reasons why it would be impossible or impractical to shut down the source operation during the maintenance period.

(Auth.: HAR §11-60.1-15; SIP §11-60-16)²

17. **Except for emergencies which result in noncompliance with any technology-based emission limitation in accordance with HAR, Section 11-60.1-16.5, in the event any emission unit, air pollution control equipment, or related equipment malfunctions or breaks down in such a manner as to cause the emission of air pollutants in violation of HAR, Chapter 11-60.1 or this permit,** the permittee shall immediately notify the Department of Health of the malfunction or breakdown, unless the protection of personnel or public health or safety demands immediate attention to the malfunction or breakdown and makes such notification infeasible. In the latter case, the notice shall be provided as soon as practicable. Within five (5) working days of this initial notification, the permittee shall also submit, in writing, the following information:
- Identification of each affected emission point and each emission limit exceeded;
 - Magnitude of each excess emission;
 - Time and duration of each excess emission;
 - Identity of the process or control equipment causing each excess emission;
 - Cause and nature of each excess emission;
 - Description of the steps taken to remedy the situation, prevent a recurrence, limit the excessive emissions, and assure that the malfunction or breakdown does not interfere with the attainment and maintenance of the National Ambient Air Quality Standards and state ambient air quality standards;
 - Documentation that the equipment or process was at all times maintained and operated in a manner consistent with good practice for minimizing emissions; and
 - A statement that the excess emissions are not part of a recurring pattern indicative of inadequate design, operation, or maintenance.

The submittal of these notices shall not be a defense to an enforcement action.

(Auth.: HAR §11-60.1-16; SIP §11-60-16)²

18. The permittee may request confidential treatment of any records in accordance with HAR Section 11-60.1-14.

(Auth.: HAR §11-60.1-14, §11-60.1-90)

19. This permit shall become invalid with respect to the authorized construction if construction is not commenced as follows:

- Construction shall be commenced within eighteen (18) months after the permit takes effect, shall not be discontinued for a period of eighteen (18) months or more, and shall be completed within a reasonable time.

- b. For phased construction projects, each phase shall commence construction within eighteen (18) months of the projected and approved commencement dates in the permit. This provision shall be applicable only if the projected and approved commencement dates of each construction phase are defined in Attachment II, Special Conditions of this permit.

(Auth.: HAR §11-60.1-9, §11-60.1-90)

- 20. The Department of Health may extend the time periods specified in Standard Condition No. 19 upon a satisfactory showing that an extension is justified. Requests for an extension shall be submitted in writing to the Department of Health.

(Auth.: HAR §11-60.1-9, §11-60.1-90)

- 21. The permittee shall submit fees in accordance with HAR, Chapter 11-60.1, Subchapter 6.

(Auth.: HAR §11-60.1-90)

- 22. All certifications shall be in accordance with HAR, Section 11-60.1-4.

(Auth.: HAR §11-60.1-4, §11-60.1-90)

- 23. The permittee shall allow the Director of Health, the Regional Administrator for the U.S. EPA and/or an authorized representative, upon presentation of credentials or other documents required by law:

- a. To enter the premises where a source is located or emission-related activity is conducted, or where records must be kept under the conditions of this permit and inspect at reasonable times all facilities, equipment, including monitoring and air pollution control equipment, practices, operations, or records covered under the terms and conditions of this permit and request copies of records or copy records required by this permit; and
- b. To sample or monitor at reasonable times substances or parameters to assure compliance with this permit or applicable requirements of HAR, Chapter 11-60.1.

(Auth.: HAR §11-60.1-11, §11-60.1-90)

24. Within thirty (30) days of **permanent discontinuance of the construction, modification, relocation, or operation of the facility covered by this permit**, the discontinuance shall be reported in writing to the Department of Health by a responsible official of the source.

(Auth.: HAR §11-60.1-8; SIP §11-60-10)²

25. Each permit renewal application shall be submitted to the Department of Health and the U.S. EPA Region 9 no less than twelve (12) months and no more than eighteen (18) months prior to the permit expiration date. The Department of Health may allow a permit renewal application to be submitted no less than six (6) months prior to the permit expiration date, if the Department of Health determines that there is reasonable justification.

(Auth.: HAR §11-60.1-101, 40 CFR §70.5 (a)(1)(iii))¹

26. The terms and conditions included in this permit, including any provision designed to limit a source's potential to emit, are federally enforceable unless such terms, conditions, or requirements are specifically designated as not federally enforceable.

(Auth.: HAR §11-60.1-93)

27. The compliance plan and compliance certification submittal requirements shall be in accordance with HAR, Sections 11-60.1-85 and 11-60.1-86. As specified in HAR, Section 11-60.1-86, the compliance certification shall be submitted to the Department of Health and the U.S. EPA Region 9 once per year, or more frequently as set by any applicable requirement.

(Auth.: HAR §11-60.1-90)

28. **Any document (including reports) required to be submitted by this permit shall be certified as being true, accurate, and complete by a responsible official in accordance with HAR, Sections 11-60.1-1 and 11-60.1-4, and shall be mailed to the following address:**

**Clean Air Branch
Environmental Management Division
State of Hawaii Department of Health
P.O. Box 3378
Honolulu, HI 96801-3378**

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Expiration Date: August 5, 2009

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Upon request and as required by this permit, all correspondence to the State of Hawaii Department of Health associated with this Covered Source Permit shall have duplicate copies forwarded to:

**Chief
Permits Office, (Attention: Air-3)
Air Division
U.S. Environmental Protection Agency
Region 9
75 Hawthorne Street
San Francisco, CA 94105**

(Auth.: HAR §11-60.1-4, §11-60.1-90)

29. To determine compliance with submittal deadlines for time-sensitive documents, the postmark date of the document shall be used. If the document was hand-delivered, the date received ("stamped") at the Clean Air Branch shall be used to determine the submittal date.

(Auth.: HAR §11-60.1-5, §11-60.1-90)

¹ The citations to the Code of Federal Regulations (CFR) identified under a particular condition, indicate that the permit condition complies with the specified provision(s) of the CFR. Due to the integration of the preconstruction and operating permit requirements, permit conditions may incorporate more stringent requirements than those set forth in the CFR.

² The citations to the State Implementation Plan (SIP) identified under a particular condition, indicate that the permit condition complies with the specified provision(s) of the SIP.

**ATTACHMENT II: SPECIAL CONDITIONS
COVERED SOURCE PERMIT NO. 0249-02-C**

[Issuance Date]

Expiration Date: August 5, 2009

In addition to the standard conditions of the Covered Source Permit, the following special conditions shall apply to the permitted facility:

Section A. Equipment Description

1. This permit encompasses the following equipment and associated appurtenances:

500 HP Hurst boiler (model no. S5-A2-500-150, serial no. to be provided when installed, 140 gal/hr max. fuel consumption, 19.6 MMBtu/hr, and 17,250 lb/hr steam)

(Auth.: HAR §11-60.1-3)

2. An identification tag or name plate shall be displayed on the equipment listed above which identifies the model no., serial no., and manufacturer. The identification tag or name plate shall be permanently attached to the equipment at a conspicuous location.

(Auth.: HAR §11-60.1-5)

Section B. Applicable Federal Requirements

1. The boiler is subject to the provisions of the following federal regulations:

- a. 40 CFR Part 60 Standards of Performance for New Stationary Sources, Subpart A - General Provisions; and
- b. 40 CFR Part 60 Standards of Performance for New Stationary Sources, Subpart Dc - Standards of Performance for Industrial-Commercial-Institutional Steam Generating Units.

2. The permittee shall comply with all applicable provisions of these standards, including all emission limits, notification, testing, monitoring, and reporting requirements. The major requirements of these standards are detailed in the special conditions of this permit.

(Auth.: HAR §11-60.1-3, §11-60.1-90, §11-60.1-161; 40 CFR 60)¹

Section C. Operational and Emission Limitations

1. All equipment, facilities, and systems installed or used to achieve compliance with the terms and conditions of this covered source permit (CSP) shall at all times be maintained in good working order and be operated as efficiently as possible so as to minimize air pollutant emissions.

(Auth.: HAR §11-60.1-5)

2. Fuel Usage and Specifications

- a. The steam boiler shall be fired only on fuel oil no. 2, Unitek diesel, Jet-A, specification (spec) used oil as specified in Special Condition No. C.2.d., cooking oil as specified in Special Condition No. C.2.e, or any combination thereof.
- b. The total combined consumption of fuel oils (fuel oil no.2, Unitek diesel, Jet A, and spec used oil) shall not exceed 770,000 gallons in any rolling 12-month period.
- c. All fuels fired in the boiler shall have a maximum sulfur content of 0.5% by weight.
- d. Spec Used Oil
 - 1) The permit conditions prescribed herein may at any time be revised by the Department of Health to reflect federal or state promulgated rules on used oil.
 - 2) This permit shall not release the permittee from compliance with all applicable state and federal rules and regulations on the handling, transporting, storing and burning of used oil. If this permit is determined to be in conflict with any federal rules, the permit shall be surrendered upon request of the Department of Health.
 - 3) The permittee shall only burn spec used oil that is supplied by Unitek Solvent Services, Inc.; Pacific Environmental Corporation; On-Site Vacuum Service, Inc.; Maui Electric Company, Ltd.; Philip Services Hawaii, Ltd.; Hawaii Fuel Net; Maui Petroleum, Inc.; and spec used oil generated by the permittee, such as from plant vehicle crankcases and lubricating oils.
 - 4) Used oil may be obtained from other sources, provided a written request identifying the new source is approved by the Department of Health prior to the delivery of the used oil. An analysis must accompany the delivery of each batch of used oil.
 - 5) The following constituents/properties of the spec used oil shall not exceed the specified limits listed below:

| <u>Constituent/Property</u> | <u>Allowable Limit</u> |
|---------------------------------|------------------------|
| Arsenic | 5 ppm maximum |
| Cadmium | 2 ppm maximum |
| Chromium | 10 ppm maximum |
| Lead | 30 ppm maximum |
| Total Halogens | 1000 ppm maximum |
| Sulfur | 0.5% maximum by weight |
| Flash Point | 100°F minimum |
| Polychlorinated Biphenyls (PCB) | <2 ppm |
| Beryllium | 0.125 ppm maximum |

- 6) This permit does not authorize the permittee to burn hazardous waste. The permittee shall not burn the used oil if declared or determined to be a hazardous waste.

- 7) Samples of the used oil generated from the facility shall be taken from the holding tank or drums, and composited and analyzed for compliance with the limits in Special Condition No. C.2.d.5) prior to being burned. The samples shall be taken in such a manner that the composite sample obtained is representative of **all** the used oil generated by the facility for that period of time. The composite sample shall represent no more than the holding tank or all of the oil collected in any six (6) month period, whichever is less.
- 8) Each used oil sample shall be submitted in a timely manner to a qualified laboratory and an analysis obtained for the constituents/properties specified in Special Condition No. C.2.d.5).
- 9) Should the results of any used oil analyses deem the sample to be hazardous, the contaminated containers shall be identified and isolated from the non-contaminated containers and properly disposed. Fuel blending to meet the constituents/properties limits given in Special Condition No. C.2.d.5) is allowable only for spec used oil that were not deemed hazardous.

e. Cooking Oil

- a. Solids and residual water shall be removed from the cooking oil as part of a decanting process if the cooking oil was used in food processing or collected from grease traps.
- b. The Department of Health, at any time, may require the permittee to conduct an analysis for the constituents/properties of the cooking oil and establish limits to ensure compliance with any state or federal requirements.
- c. The Department of Health reserves the right to impose additional operational controls and restrictions to abate odors if a site evaluation indicates controls and/or restrictions are necessary for the burning of cooking oil.

(Auth.: HAR §11-60.1-3, §11-60.1-5, §11-60.1-38, §11-60.1-90; 40 CFR §60.42c(d), §279.11)¹

3. Opacity

For any six (6) minute averaging period, the boiler shall not exhibit visible emission of twenty (20) percent opacity or greater, except as follows: during start-up, shut-down, or equipment breakdown, the boiler may exhibit visible emissions greater than twenty (20) but not exceeding sixty (60) percent opacity for a period aggregating not more than six (6) minutes in any sixty (60) minute period.

(Auth.: HAR §11-60.1-3, §11-60.1-32, §11-60.1-90; SIP §11-60-24)²

4. Alternate Operating Scenarios

- a. Terms and conditions for reasonably anticipated operating scenarios identified by the permittee in the CSP application and approved by the Department of Health are as follows:
 - 1) The first alternate operating scenario is the ability to switch to alternate fuels. The permittee is not allowed to switch to alternate fuels unless all of the following information is provided, in writing, and approved by the Department:
 - a) Specific type of fuel;
 - b) Consumption rate of the fuel;
 - c) Fuel blending rate;
 - d) Calculations showing no increase in emissions;
 - e) Ambient air quality analyses verifying that state ambient air quality standards (SAAQS) will be met;
 - f) Fuel storage; and
 - g) Plan to monitor and record the fuel analyses and consumption.
 - 2) A second alternate operating scenario involves the replacement of a boiler in the event of failure or a major overhaul of the installed unit. The permittee may replace a boiler with a temporary replacement unit if any repair work reasonably warrants the removal (i.e., equipment failure, engine overhaul, or any major equipment problems requiring maintenance for efficient operation) of the boiler from its site and the following provisions are adhered to:
 - a) Written notification identifying the reasons for the replacement boiler from the site of operation is submitted to and approved by the Department of Health prior to the installation;
 - b) The boiler is replaced with a temporary replacement boiler of the same size or smaller and with equal or less emissions;
 - c) The temporary replacement unit complies with all applicable conditions including all air pollution control equipment requirements, operating restrictions and emission limits;
 - d) The boiler shall be repaired and returned to service at the same location in a timely manner; and
 - e) Prior to the removal and return of the boiler, the permittee shall submit to the Department of Health written documentation on the removal and return dates and on the make, size, model and serial numbers for both the temporary replacement unit and installed unit.

- b. The permittee shall contemporaneously with making a change from one operating scenario to another, record in a log at the permitted facility the scenario under which it is operating and, if required by any applicable requirement of the Department, submit written notification to the Department; and
- c. The terms and conditions under each alternative operating scenario shall meet all applicable requirements including conditions of this permit.

(Auth.: HAR §11-60.1-3, §11-60.1-5, §11-60.1-90)

Section D. Monitoring and Recordkeeping Requirements

1. Fuel Oil No. 2, Unitek Diesel, and Jet A

- a. Fuel purchase receipts shall be maintained, showing the supplier, fuel type, sulfur content (percent by weight), date of delivery, and amount (gallons) of fuel oil delivered to the site for the boiler covered under this permit.
- b. The sulfur content for fuel oil no. 2 shall be demonstrated by providing the supplier's fuel certification for the type of fuel purchased and received in accordance with 40 CFR Part 60, Subpart Dc, §60.48c (f)(1).

(Auth.: HAR §11-60.1-3, §11-60.1-5, §11-60.1-38, §11-60.1-90; 40 CFR §60.42c(d) and (h)(1), §60.48c(e)(11) and (f)(1))

2. Spec Used Oil

Records for the combustion of spec used oil shall be maintained on the sampling date, amount (in gallons) of used oil the sample represents, date of analyses, and the results of the analyses.

(Auth.: HAR §11-60.1-3, §11-60.1-5, §11-60.1-11, §11-60.1-90)

3. Cooking Oil

The permittee shall maintain records of the delivery invoices for the cooking oil showing the supplier, date of delivery, and amount in gallons.

(Auth.: HAR §11-60.1-3, §11-60.1-5, §11-60.1-11, §11-60.1-90)

4. Fuel Consumption

- a. The permittee shall maintain and operate a non-resetting volumetric fuel meter (in gallons) to record the total amount of fuel burned for the boiler. The meter shall permanently record the total gallons of fuel consumed by the boiler for the purpose of the fuel limitations specified in Special Condition Nos. C.2.b.
- b. The following information shall be recorded for the total consumption of fuel oils (fuel oil no. 2, Unitek diesel, Jet A, and spec used oil) used by the boiler:
 - 1) Date of meter readings;
 - 2) Beginning and ending meter readings for each month;
 - 3) Total fuel consumption for each month; and
 - 4) Total fuel consumption on a rolling twelve (12) month basis.

(Auth.: HAR §11-60.1-3, §11-60.1-5, §11-60.1-38, §11-60.1-90; 40 CFR §60.42c(d) and (h)(1), §60.48c(e)(11) and (f)(1))

5. Ambient Air Quality Monitoring

Although ambient air quality and meteorological monitoring are not required at this time, the Department may at any time require that monitoring be performed by the permittee to ensure continuing compliance with the ambient air quality standard.

(Auth.: HAR §11-59-4, §11-60.1-3, §11-60.1-5, §11-60.1-90)

6. Inspection, Maintenance, and Repair Log

The permittee shall maintain records on inspections, maintenance, and any repair work conducted on the boiler. At a minimum, these records shall include: the date of the inspection; name and title of the inspector; a short description of the action and/or any such repair work; and a description of the part(s) inspected or repaired.

(Auth.: HAR §11-60.1-3, §11-60.1-5, §11-60.1-90)

7. Visible Emissions (V.E.) Monitoring

- a. Except when annual V.E. observations are conducted in accordance with Method 9, the permittee shall conduct **monthly** (*calendar month*) V.E. observations for each equipment subject to opacity limits in accordance with Method 9 or by use of a Ringelmann Chart as provided. For the monthly observation for each equipment, two (2) consecutive six (6) minute observations shall be taken at fifteen (15) second intervals. Records shall be completed and maintained in accordance with the *Visible Emissions Form Requirements*.

- b. The permittee shall conduct **annually** (*calendar year*) V.E. observations for each equipment subject to opacity limits by a certified reader in accordance with Method 9. For the annual observation for each equipment, two (2) consecutive six (6) minute observations shall be taken at fifteen (15) second intervals. Records shall be completed and maintained in accordance with the *Visible Emissions Form Requirements*.
- c. Upon written request and justification by the permittee, the Department of Health may waive the requirement for a specific annual V.E. observation. The waiver request is to be submitted prior to the required test and must include documentation justifying such action. Documentation should include, but is not limited to, the results of the prior V.E. observation in accordance with Method 9 indicating compliance by a wide margin, documentation of continuing compliance, and further that operations of the source have not changed since that observation.

Please note that the waiving of the annual (Method 9) V.E. observation does not absolve the permittee from any monthly (Method 9 or Ringelmann's Chart) V.E. requirements. Monthly V.E. observations should still be performed in accordance with Special Condition No. D.7.a.

(Auth.: HAR §11-60.1-3, §11-60.1-5, §11-60.1-11, §11-60.1-90)

8. Records

All records, including support information, shall be maintained for **at least five (5) years** following the date of the monitoring sample, measurement, test, report, or application. Support information includes all maintenance, inspection, and repair records, and copies of all reports required by this permit. These records shall be in a permanent form suitable for inspection and made available to the Department of Health or their representative upon request.

(Auth.: HAR §11-60.1-3, §11-60.1-11, §11-60.1-90)

Section E. Notification and Reporting Requirements

1. Notification and reporting pertaining to the following events shall be done in accordance with Attachment I, Standard Condition Nos. 14, 17 and 25, respectively:
 - a. *Anticipated date of initial start-up, actual date of construction commencement, and actual date of start-up;*
 - b. *Emissions of air pollutants in violation of HAR, Chapter 11-60.1 or this permit (excluding technology-based emission exceedances due to emergencies); and*

- c. *Permanent discontinuance of construction, modification, relocation, or operation of the facility covered by this permit.*

(Auth.: HAR §11-60.1-8, §11-60.1-15, §11-60.1-16, §11-60.1-90)

2. Deviations

The permittee shall report (in writing) **within five (5) working days** any deviations from the permit requirements, including those attributable to upset conditions, the probable cause of such deviations and any corrective actions or preventive measures taken. Corrective actions may include a requirement for additional stack testing, or more frequent monitoring, or the implementation of a corrective action plan.

(Auth.: HAR §11-60.1-3, §11-60.1-15, §11-60.1-16, §11-60.1-90)

3. Compliance Certification

- a. During the permit term, the permittee shall submit at least **annually** to the Department of Health and U.S. EPA Region 9, the attached *Compliance Certification Form* pursuant to HAR, Subsection 11-60.1-86. The permittee shall indicate whether or not compliance is being met with each term or condition of this permit. The compliance certification shall include at a minimum the following information:
- a. The identification of each term or condition of the permit that is the basis of the certification;
 - b. The compliance status;
 - c. Whether compliance was continuous or intermittent;
 - d. The methods used for determining the compliance status of the source currently and over the reporting period;
 - e. Any additional information indicating the source's compliance status with any applicable enhanced monitoring and compliance certification including the requirements of Section 114(a)(3) of the Clean Air Act or any applicable monitoring and analysis provisions of Section 504(b) of the Clean Air Act; and
 - f. Any additional information as required by the Department of Health including information to determine compliance.
- b. *The compliance certification shall be submitted **within ninety (90) days after** the end of each calendar year, and shall be signed and dated by a responsible official.*
- c. *Upon written request of the permittee, the deadline for submitting the compliance certification may be extended, if the Department of Health determines that reasonable justification exists for the extension.*

(Auth.: HAR §11-60.1-4, §11-60.1-86, §11-60.1-90)

4. Semi-Annual Reports

The permittee shall complete and submit, **semi-annually**, the following written reports to the Department. The report shall be submitted **within sixty (60) days after the end of each semi-annual calendar period** (January 1 to June 30 and July 1 to December 31), and shall be signed and dated by a responsible official and include the following:

- a. Records on the total amount (gallons) of each fuel fired (except for cooking oil) on a monthly basis, along with a 12-month rolling total. The enclosed **Monitoring Report Form: Fuel Oil Consumption** shall be used.
- b. Records on any fuel analyses that exceeded the constituent/property limits for spec used oil during the reporting period. The enclosed **Monitoring Report Form: Spec Used Oil** shall be used.
- c. The maximum sulfur content for all fuel oils. The enclosed **Monitoring Report Form: Fuel Certification** shall be used.
- d. Any opacity exceedances as determined by the required V.E. monitoring. Each exceedance reported shall include the date, six (6) minute average opacity reading, possible reason for exceedance, duration of exceedance, and corrective actions taken. If there were no exceedances, the permittee shall submit in writing a statement indicating that for each equipment there were no exceedances for that semi-annual period. The enclosed **Monitoring Report Form: Visible Emissions** shall be used.

(Auth.: HAR §11-60.1-3, §11-60.1-5, §11-60.1-11, §11-60.1-90, SIP §11-60-15)²

5. Annual Emissions

- a. As required by *Attachment IV: Annual Emissions Reporting Requirements* and in conjunction with the requirements of *Attachment III: Annual Fee Requirements*, the permittee shall report **annually** the total tons/yr emitted of each regulated air pollutant, including hazardous air pollutants. The reporting of annual emissions is due **within sixty (60) days following the end of each calendar year**. The completion and submittal of **Annual Emissions Report Form: Boiler**, shall be used in reporting fuel usage.
- b. Upon the written request of the permittee, the deadline for reporting of annual emissions may be extended, if the Department of Health determines that reasonable justification exists for the extension.

(Auth.: HAR §11-60.1-3, §11-60.1-5, §11-60.1-11, §11-60.1-90)

Section F. Agency Notification

Any document (including reports) required to be submitted by this permit shall be done in accordance with Attachment I, Standard Condition 29.

(Auth.: HAR §11-60.1-4, §11-60.1-90)

¹ The citations to the Code of Federal Regulations (CFR) identified under a particular condition indicate that the permit condition complies with the specified provision(s) of the CFR. Due to the integration of the preconstruction and operating permit requirements, permit conditions may incorporate more stringent requirements than those set forth in the CFR.

² The citations to the State Implementation Plan (SIP) identified under a particular condition, indicate that the permit condition complies with the specified provision(s) of the SIP.

**ATTACHMENT II - INSIG: SPECIAL CONDITIONS
COVERED SOURCE PERMIT NO. 0249-02-C
INSIGNIFICANT ACTIVITIES**

[Issuance Date]

Expiration Date: August 5, 2009

In addition to the Standard Conditions of the Covered Source Permit, the following Special Conditions shall apply to the permitted facility:

Section A. Equipment Description

This attachment encompasses insignificant activities listed in HAR, §11-60.1-82(f) and (g) for which provisions of this permit and HAR, Subchapter 2, General Prohibitions apply.

(Auth.: HAR §11-60.1-3)

Section B. Operational Limitations

1. The permittee shall take measures to operate applicable insignificant activities in accordance with the provisions of HAR, Subchapter 2 for visible emissions, fugitive dust, incineration, process industries, sulfur oxides from fuel combustion, storage of volatile organic compounds, volatile organic compound water separation, pump and compressor requirements, and waste gas disposal.

(Auth.: HAR §11-60.1-3, §11-60.1-82, §11-60.1-90)

2. The Department of Health may at any time require the permittee to further abate emissions if an inspection indicates poor or insufficient controls.

(Auth.: HAR §11-60.1-3, §11-60.1-5, §11-60.1-82, §11-60.1-90)

Section C. Monitoring and Recordkeeping Requirements

1. The Department of Health reserves the right to require monitoring, recordkeeping, or testing of any insignificant activity to determine compliance with the applicable requirements.

(Auth.: HAR §11-60.1-3, §11-60.1-90)

2. All records shall be maintained for at least five (5) years from the date of any required monitoring, recordkeeping, testing, or reporting. These records shall be in a permanent form suitable for inspection and made available to the Department of Health or their authorized representative upon request.

(Auth.: HAR §11-60.1-3, §11-60.1-11, §11-60.1-90)

Section D. Notification and Reporting

Compliance Certification

1. During the permit term, the permittee shall submit at least **annually** to the Department of Health and U.S. EPA Region 9, the attached *Compliance Certification Form* pursuant to HAR, Subsection 11-60.1-86. The permittee shall indicate whether or not compliance is being met with each term or condition of this permit. The compliance certification shall include at a minimum the following information:
 - a. The identification of each term or condition of the permit that is the basis of the certification;
 - b. The compliance status;
 - c. Whether compliance was continuous or intermittent;
 - d. The methods used for determining the compliance status of the source currently and over the reporting period;
 - e. Any additional information indicating the source's compliance status with any applicable enhanced monitoring and compliance certification including the requirements of Section 114(a)(3) of the Clean Air Act or any applicable monitoring and analysis provisions of Section 504(b) of the Clean Air Act; and
 - f. Any additional information as required by the Department of Health including information to determine compliance.

In lieu of addressing each emission unit as specified in Attachment V, the permittee may address insignificant activities as a single unit provided compliance is met with all applicable requirements. If compliance is not totally attained, the permittee shall identify the specific insignificant activity and provide the details associated with the noncompliance.

2. *The compliance certification shall be submitted **within ninety (90) days after** the end of each calendar year, and shall be signed and dated by a responsible official.*
3. *Upon written request of the permittee, the deadline for submitting the compliance certification may be extended, if the Department of Health determines that reasonable justification exists for the extension.*

(Auth.: HAR §11-60.1-4, §11-60.1-86, §11-60.1-90)

Section E. Agency Notification

Any document (including reports) required to be submitted by this Covered Source Permit shall be done in accordance with Attachment I, Standard Condition No. 29.

(Auth.: HAR §11-60.1-4, §11-60.1-90)

PROPOSED

ATTACHMENT III: ANNUAL FEE REQUIREMENTS COVERED SOURCE PERMIT NO. 0249-02-C

[Issuance Date]

Expiration Date: August 5, 2009

The following requirements for the submittal of annual fees are established pursuant to Hawaii Administrative Rules (HAR), Title 11, Chapter 60.1, Air Pollution Control. Should HAR, Chapter 60.1 be revised such that the following requirements are in conflict with the provisions of HAR, Chapter 60.1, the permittee shall comply with the provisions of HAR, Chapter 60.1:

1. Annual fees shall be paid in full:
 - a. Within **sixty (60) days** after the end of each calendar year; and
 - b. Within **thirty (30) days** after the permanent discontinuance of the covered source.
2. The annual fees shall be determined and submitted in accordance with Hawaii Administrative Rules, Chapter 11-60.1, Subchapter 6.
3. The annual emissions data for which the annual fees are based shall accompany the submittal of any annual fees and submitted on forms furnished by the Department of Health.
4. The annual fees and the emission data shall be mailed to:

**Clean Air Branch
Environmental Management Division
Hawaii Department of Health
P. O. Box 3378
Honolulu, HI 96801-3378**

PROPOSED

ATTACHMENT IV: ANNUAL EMISSIONS REPORTING REQUIREMENTS COVERED SOURCE PERMIT NO. 0249-02-C

[Issuance Date]

Expiration Date: August 5, 2009

In accordance with the Hawaii Administrative Rules, Title 11, Chapter 60.1, Air Pollution Control, the permittee shall report to the Department of Health the nature and amounts of emissions.

1. Complete the attached form:

Annual Emissions Report Form: Boiler

2. The reporting period shall be from January 1 to December 31 of each year. All reports shall be submitted to the Department of Health within **sixty (60) days** after the end of each calendar year and shall be mailed to the following address:

**Clean Air Branch
Environmental Management Division
Hawaii Department of Health
P. O. Box 3378
Honolulu, HI 96801-3378**

3. The permittee shall retain the information submitted, including all emission calculations. These records shall be in a permanent form suitable for inspection, retained for a minimum of five (5) years, and made available to the Department of Health upon request.
4. Any information submitted to the Department of Health without a request for confidentiality shall be considered public record.
5. In accordance with HAR, Section 11-60.1-14, the permittee may request confidential treatment of specific information including information concerning secret processes or methods of manufacturing, by submitting a written request to the Director and clearly identifying the specific information that is to be accorded confidential treatment.

PROPOSED**MONITORING REPORT FORM
FUEL OIL CONSUMPTION
COVERED SOURCE PERMIT NO. 0249-02-C****[Issuance Date]****Expiration Date: August 5, 2009**

In accordance with the Hawaii Administrative Rules, Title 11, Chapter 60.1, Air Pollution Control, the permittee shall report to the Department of Health the following information, semi-annually:

(Make Copies for Future Use)

For Period: _____ Date: _____

Company/Facility Name: _____

Equipment Location: _____

Equipment Description: _____

Equipment Capacity/Rating (specify units): _____

(Units such as Horsepower, kilowatt, tons/hour, etc.)

Serial/ID No.: _____

I certify that I have knowledge of the facts herein set forth, that the same are true, accurate and complete to the best of my knowledge and belief, and that all information not identified by me as confidential in nature shall be treated by Department of Health as public record.

Responsible Official (Print): _____

Title: _____

Responsible Official (Signature): _____

Report all fuel oils (fuel oil no. 2, Unitek diesel, Jet-A, and spec used oil) used in the boiler on this form. Cooking oil shall not be included with this form.

| Month | Monthly Total (gallons) | 12-Month Rolling Total (gallons) | Begin/End Meter Readings (gallons) |
|-----------|----------------------------|-------------------------------------|---------------------------------------|
| January | | | |
| February | | | |
| March | | | |
| April | | | |
| May | | | |
| June | | | |
| July | | | |
| August | | | |
| September | | | |
| October | | | |
| November | | | |
| December | | | |

PROPOSED

MONITORING REPORT FORM SPEC USED OIL COVERED SOURCE PERMIT NO. 0249-02-C

[Issuance Date]

Expiration Date: August 5, 2009

In accordance with the Hawaii Administrative Rules, Title 11, Chapter 60.1, Air Pollution Control, the permittee shall report to the Department of Health the following information semi-annually:

(Make Copies for Future Use)

For Period: _____ Date: _____

Company/Facility Name: _____

Equipment Location: _____

Equipment Description: _____

Equipment Capacity/Rating (specify units): _____
(Units such as Horsepower, kilowatt, tons/hour, etc.)

Serial/ID No.: _____

I certify that I have knowledge of the facts herein set forth, that the same are true, accurate and complete to the best of my knowledge and belief, and that all information not identified by me as confidential in nature shall be treated by Department of Health as public record

Responsible Official (Print): _____

Title: _____

Responsible Official (Signature): _____

Number of used oil analyses received/performed for this report period: _____

Did any of the used oil analyses indicate exceedances of the permitted limits: ☐ YES ☐ NO

If Yes, indicate the number of exceedances: _____

Indicate the highest of the used oil analyses results received/performed:

| <u>Constituent/Property</u> | <u>Highest Results</u> |
|---------------------------------|------------------------|
| Arsenic | _____ ppm by weight |
| Cadmium | _____ ppm by weight |
| Chromium | _____ ppm by weight |
| Lead | _____ ppm by weight |
| Total Halogens | _____ ppm by weight |
| Sulfur | _____ % by weight |
| Flash Point | _____ °F |
| Polychlorinated Biphenyls (PCB) | _____ ppm by weight |
| Beryllium | _____ ppm by weight |

PROPOSED

**MONITORING REPORT FORM
FUEL CERTIFICATION
COVERED SOURCE PERMIT NO. 0249-02-C**

[Issuance Date]

Expiration Date: August 5, 2009

In accordance with the Hawaii Administrative Rules, Title 11, Chapter 60.1, Air Pollution Control, the permittee shall report to the Department of Health the following information, semi-annually:

(Make Copies for Future Use)

For Period: _____ Date: _____

Company/Facility Name: _____

Equipment Location: _____

Equipment Description: _____

Equipment Capacity/Rating (specify units): _____
(Units such as Horsepower, kilowatt, tons/hour, etc.)

I certify that I have knowledge of the facts herein set forth, that the same are true, accurate and complete to the best of my knowledge and belief, and that all information not identified by me as confidential in nature shall be treated by Department of Health as public record.

Responsible Official (Print): _____

Title: _____

Responsible Official (Signature): _____

Fuel Certification:

Report the maximum sulfur content (% by weight) for the respective fuels during the reporting period for which this certification is required:

Fuel oil no. 2 _____ (% by weight)

Unitek diesel _____ (% by weight)

Jet A _____ (% by weight)

Spec used oil _____ (% by weight)

Expiration Date: August 5, 2009

(Make Copies for Future Use)

Company/Facility Name: _____

Responsible Official (Signature): _____

Report the following on the lines provided below: all date(s) and six (6) minute average opacity reading(s) which the opacity limit was exceeded during the monthly observations; or if there were no exceedances during the monthly observations, then write no exceedances in the comment column.

[illegible]

**VISIBLE EMISSIONS FORM REQUIREMENTS
STATE OF HAWAII
COVERED SOURCE PERMIT NO. 0249-02-C**

[Issuance Date]

Expiration Date: August 5, 2009

The ***Visible Emissions (V.E.) Form*** shall be completed **monthly** (*each calendar month*) for each equipment subject to opacity limits in accordance with 40 CFR Part 60, Appendix A, Method 9 or use of a Ringelmann Chart as provided. At least **annually** (*calendar year*), V.E. observations shall be conducted for each equipment subject to opacity limits by a certified reader in accordance with Method 9. The V.E. Form shall be completed as follows:

1. Visible emissions observations shall take place during the day only and shall be compared to the Ringelmann Chart provided. The opacity shall be noted in five (5) percent increments (e.g., 25%).
2. Orient the sun within a 140 degree sector to your back. Provide a source layout sketch on the V.E. Form using the symbols as shown.
3. Stand at least three (3) stack heights, but not more than a quarter mile from the stack.
4. Two (2) consecutive six (6) minute observations shall be taken at fifteen (15) second intervals for each stack or emission point.
5. The six (6) minute average opacity reading shall be calculated for each observation.
6. If possible, the observations shall be performed as follows:
 - a. Read from where the line of sight is at right angles to the wind direction.
 - b. The line of sight shall not include more than one (1) plume at a time.
 - c. Read at the point in the plume with the greatest opacity (without condensed water vapor), ideally while the plume is no wider than the stack diameter.
 - d. Read the plume at fifteen (15) second intervals only. Do not read continuously.
 - e. The equipment shall be operating at maximum permitted capacity.
7. If the equipment was shut-down for that period, briefly explain the reason for shut-down in the comment column.

The permittee shall retain the completed V.E. Forms for recordkeeping. These records shall be in a permanent form suitable for inspection, retained for a minimum of five years, and made available to the Department of Health, or their representative upon request.

Any required initial and annual performance test performed in accordance with Method 9 by a certified reader shall satisfy the respective equipment's V.E. monitoring requirements for the month the performance test is performed.

PROPOSED

**VISIBLE EMISSIONS FORM
STATE OF HAWAII
COVERED SOURCE PERMIT NO. 0249-02-C**


[Issuance Date]**Expiration Date: August 5, 2009**

(Make Copies for Future Use for Each Stack or Emission Point)

Permit No.: _____

Company Name: _____

Equipment and Fuel: _____

Stack **X**Sun Wind 

Draw North Arrow

**X** Emission Point**Site Conditions:**

Stack height above ground (ft): _____

Stack distance from observer (ft): _____

Emission color (black or white): _____

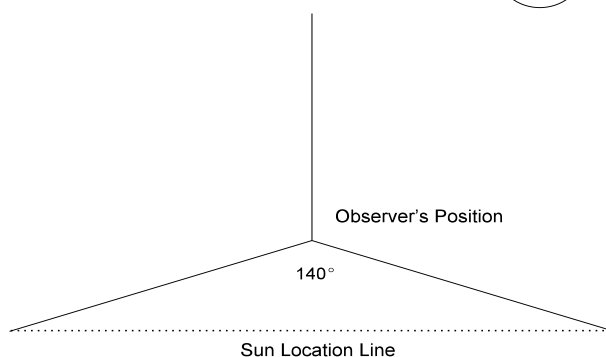
Sky conditions (% cloud cover): _____

Wind speed (mph): _____

Temperature (°F): _____

Observer Name: _____

Certified? (Yes/No): _____



Observation Date and Start Time: _____

Method of Observation (Ringelmann Chart of Method 9): _____

| SECONDS | 0 | 15 | 30 | 45 | COMMENTS |
|---|---|----|----|----|----------|
| MINUTES | | | | | |
| 1 | | | | | |
| 2 | | | | | |
| 3 | | | | | |
| 4 | | | | | |
| 5 | | | | | |
| 6 | | | | | |
| Six (6) Minute Average Opacity Reading (%): | | | | | |

Observation Date and Start Time: _____

Method of Observation (Ringelmann Chart of Method 9): _____

| SECONDS | 0 | 15 | 30 | 45 | COMMENTS |
|---|---|----|----|----|----------|
| MINUTES | | | | | |
| 1 | | | | | |
| 2 | | | | | |
| 3 | | | | | |
| 4 | | | | | |
| 5 | | | | | |
| 6 | | | | | |
| Six (6) Minute Average Opacity Reading (%): | | | | | |

PROPOSED**ANNUAL EMISSIONS REPORT FORM
BOILER
COVERED SOURCE PERMIT NO. 0249-02-C****[Issuance Date]****Expiration Date: August 5, 2009**

In accordance with the Hawaii Administrative Rules, Title 11, Chapter 60.1, Air Pollution Control, the permittee shall report to the Department of Health the following information:

(Make Copies for Future Use)

For Period: _____ Date: _____

Company/Facility Name: _____

Equipment Location: _____

Equipment Description: _____

Serial/ID No.: _____

I certify that I have knowledge of the facts herein set forth, that the same are true, accurate and complete to the best of my knowledge and belief, and that all information not identified by me as confidential in nature shall be treated by Department of Health as public record.

Responsible Official (Print): _____

Title: _____

Responsible Official (Signature): _____

| Type of Fuel Fired | Fuel Usage (gal/yr) | Max. % Sulfur Content by Weight | Notes |
|--------------------|------------------------|------------------------------------|-------|
| Fuel oil no. 2 | | | |
| Unitek diesel | | | |
| Jet-A | | | |
| Spec used oil | | | |
| Cooking oil | | | |
| | | | |
| | | | |
| | | | |

| | | | |
|-------------------------------|---------|----------------------|-------------------------------------|
| Type of Air Pollution Control | In Use? | Pollutant Controlled | Control Efficiency (% Reduction) |
|-------------------------------|---------|----------------------|-------------------------------------|

Yes or No

Yes or No

COMPLIANCE CERTIFICATION FORM
COVERED SOURCE PERMIT NO. 0249-02-C
(PAGE 1 OF 2)

[Issuance Date]

Expiration Date: August 5, 2009

In accordance with the Hawaii Administrative Rules, Title 11, Chapter 60.1, Air Pollution Control, the permittee shall report to the Department of Health the following certification at least annually, or more frequently as set by an applicable requirement:

(Make Copies for Future Use)

For Period: _____ Date: _____

Company/Facility Name: _____

I certify that I have knowledge of the facts herein set forth, that the same are true, accurate and complete to the best of my knowledge and belief, and that all information not identified by me as confidential in nature shall be treated by the Department of Health as public record. I further state that I will assume responsibility for the construction, modification, or operation of the source in accordance with the Hawaii Administrative Rules, Title 11, Chapter 60.1, Air Pollution Control, and any permit issued thereof.

Responsible Official (Print): _____

TITLE: _____

Responsible Official (Signature): _____

Complete the following information for **each** term or condition of the permit that applies to **each** emissions unit at the source. Also include any additional information as required by the director. The compliance certification may reference information contained in a previous compliance certification submittal to the director, provided such referenced information is certified as being current and still applicable.

1. Current permit number: _____

2. Emissions Unit No./Description: _____

3. Identify the permit term(s) or condition(s) that is/are the basis of this certification:

4. Compliance status during the reporting period:

a. Has the emissions unit been in compliance with the identified permit term(s) or condition(s)?

☐ YES

☐ NO

b. If YES, was compliance continuous or intermittent?

☐ Continuous

☐ Intermittent

**COMPLIANCE CERTIFICATION FORM
COVERED SOURCE PERMIT NO. 0249-02-C
(CONTINUED, PAGE 2 OF 2)**

c. If NO, explain.

5. The methods used for determining the compliance status of the emissions unit currently and over the reporting period (e.g., monitoring, recordkeeping, reporting, test methods, etc.):

Provide a detailed description of the methods used to determine compliance: (e.g., monitoring device type and location, test method description, or parameter being recorded, frequency of recordkeeping, etc.)

6. Statement of Compliance with Enhanced Monitoring and Compliance Certification Requirements.

a. Is the emissions unit identified in this application in compliance with applicable enhanced monitoring and compliance certification requirements?

☐ YES

☐ NO

b. If YES, identify those requirements:

c. If NO, describe below which requirements are not being met:
